

IN THE CLAIMS AMEND

4. (once amended) Storage element according to claim 1, characterised in that the binding agent (22) is a transparent plastics material with a refractive index of between 1.4 and about 1.6.
5. (once amended) Storage element according claim 1, characterised in that the refractive index of the material of the storage particles (20) and/or the refractive index of the binding agent (22) is isotropic.
6. (once amended) Storage element according to claim 1, characterised by an anti-reflection coating (14) borne by the front surface of the storage layer (12).
7. (once amended) Storage element according to claim 1, characterised in that the rear side of the storage layer (12) bears an absorbing layer (16) which absorbs the activating light.
8. (once amended) Storage element according to claim 1, characterised in that on the rear side of the storage layer (12) a reflecting layer (16) is provided, which reflects the fluorescent light and is preferably connected firmly to the storage layer (12).
9. (once amended) Storage element according to claim 1, characterised in that behind the storage layer (12) is arranged a protective layer (18) of material absorbing X-ray beams, in particular a metal layer consisting of a metal with high order number such as lead.

10. (once amended) Storage element according to claim 1, characterised in that the storage layer